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Patent Plaques

JP9198264A2: DYNAMIC QUEUE PRIORITY ORDERING SYSTEM FOR DATA PROCESSING SYSTEM AND DEVICE THEREFOR

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Country	**JP** Japan
Kind	
Inventor(s)	**MATTSON RICHARD L** **MENON JAISHANKAR M**
Applicant(s)	**INTERNATL BUSINESS MACH CORP <IBM>** News, Profiles, Stocks and More about this company
Issued/Filed Dates	**July 31, 1997** / Nov. 12, 1996
Application Number	**JP1996000300388**
IPC Class	G06F 9/46; G06F 15/00;
Priority Number(s)	Dec. 6, 1995 US1995000568327

Abstract

Problem to be solved: To process stacked requests efficiently as much as possible by enhancing the priority order of a queue by a prescribed level when the number of elements in the queue is larger than the maximum count of the queue.
Solution: When a request for accessing data stored in a storage device 212 is generated by a host system(HS) 202, the HS 202 determines which queue Qi is to process the request based upon priority allocated to the request and increases the count of unprocessed requests related to the Qi. Then the HS 202 judges whether the count of unprocessed requests exceeds a maximum request count set up in the Qi or not. When the count is less than the maximum request count, the request is sent to a storage device controller 211 to execute succeeding processing. When the count exceeds the maximum request count, the HS 202 generates a new QPS table and sends the QPS table to the controller 211. The corrected QPS table is enhanced in the priority order of the Qi and processed early.
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Other Abstract Info:	none
Foreign References:	(No patents reference this one)

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